III. MANAGEMENT INFORMATION SYSTEM (MIS)

Management Information System involves the planning, documentation, security/confidentiality and production of the necessary reports relating to program operations through the utilization of automated data processing services at the State and local level.

- A. System Planning and Operation 246.4(a)(12): describe the procedures for planning, approving and monitoring ADP goods and services, and any interaction with other statewide automated data processing operations which may take place including system costs for services and security.
- **B.** Participant Characteristics Minimum Data Set (MDS) 246.4(a)(11)(i): describe the data items which are reported electronically regarding participant characteristics and whether these items are currently being collected or if there are plans to collect them in the future.
- C. WIC Systems Functional Requirements Checklist 246.4(a)(8); (9); (11); (12); (13); (14); (15) and (18): describe those functions which are currently incorporated into the MIS or which are planned to be incorporated in the future.

A. SYSTEM PLANNING AND OPERATION

1.	ADP System Planning			
a.	The WIC State agency is included in the following comprehensive Statewide ADP plan(s):			
		Title IVa (AFDC) Title V (MCH)	Food S	Title XIX (Medicaid) Stamp Program Other (specify):
	If no, th	he WIC State agency has its own	n plan fo	or ADP utilization
	\boxtimes	Yes		No
b.		ate agency has written proceets for ADP goods and servic		or monitoring and approving local agency
	\boxtimes	Yes		No
ADDITIONAL DETAIL: Management Information Systems Appendix and/or Procedure Manual (cite): TX General Services Commission policies and TDH purchasing (CPS) in place when system was developed 2. System Documentation				
a.	The State system is fully documented in accordance with (check all that apply):			
	☐ ☐ ☑ develo		ide	y Handbook No. 701 Services standards in place when system was
b.	The St	tate agency's overall ADP sys	tem do	cumentation includes (check all that apply):
	\boxtimes	a general design users manual method for updating documenta	ation for	a detailed design maintenance manual system changes/modifications
		L DETAIL: Management In	ıformat	ion Systems Appendix

- 3. Automated Data Processing Services
- a. Indicate below whether the following ADP functions, if applicable, are performed by State agency/local agency staff or are contracted to an outside firm:

	<u>Functi</u>	<u>on</u>		rmed A Staff		tracted to ide Firm (specify):	
	Manag Feasibi APD d ADP sy Custon Custon Printing Backup	nstrument production ement reports lity study evelopment ystem hardware operation n software development n software maintenance g forms/FIs o computer facility (specify):				NCR N/A	
b.	Costs that ap	related to the following aroply):	eas are id	lentified	and tracked	separately (check a	ı ll
		system development system operation			system maint costs are <u>not</u>	enance broken out separatel	y
c.	The St	tate agency has a blanket p	purchase	agreeme	ent in effect fo	or (check all that ap	ply)
		equipment	servic	ees		software	
d.		tate agency has methods in es used by WIC and other pes	_		_		
	\boxtimes	Yes		No			
e.	The St	tate agency periodically re	eviews sys	stem cos	ts billing		
	\boxtimes	Yes		No			

I.	I ne s	State agency acquires banking services through:
		competitive bids among banks within the State competitive bids among in-State and out-of-State banks use of State agency designated bank other: N/A
		AL DETAIL: Management Information Systems Appendix edure Manual (cite):
4.	Syste	em Security/Data Confidentiality
a. To ensure that data files and computer programs are protected, the State age ensures that (check all that apply):		
		there is a separate organizational area/individual to control access to tapes, diskpacks, etc.
		access to WIC Program data files is controlled through password access or similar control
		operational personnel are limited to only those jobs for which they are
		responsible passwords are protected passwords are changed periodically he system access procedures are audited at least once a year procedures are in place for removing passwords, ID's etc. when personnel leave other (specify):
b.	syste	nsure that file storage and backup hardware procedures are sufficient to allow the m to recover and continue processing after fire, flood or similar disaster, the agency ensures that (check all that apply):
	\boxtimes	backup copies of files and program are stored off-site in a secure location backup copies are kept up-to-date there is an agreement with another processing unit with compatible
		hardware to provide services in an emergency a recent test of the WIC system or mock disaster recovery operation has been conducted at the backup facility
		other (specify):
5. I	Descript	ion of MIS changes that occurred in the past year: Maintenance only

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6. Description of MIS changes planned for the upcoming year. Changes to field and state

systems for EBT

ADDITIONAL DETAIL: Management Information Systems Appendix and/or Procedure Manual (cite):

B. PARTICIPANT CHARACTERISTICS MINIMUM DATA SET (MDS)

The Participant Characteristics Minimum Data Set (MDS) contains data items which are reported to FCS electronically by State agencies for one report month on all or a sample of participants. The MDS has required data items which must be collected and reported. The Supplemental Data Set Specifications (SDS) is comprised of optional data items which State agencies may collect and report. Please check those data items the State agency currently collects in its Management Information Systems and those data items it is planning to collect within the next two years.

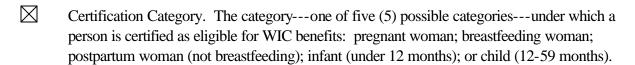
REQUIRED:

Participant Characteristics Minimum Data Set

State A	Agency MIS:
	State Agency ID. A unique number that permits linkage to the WIC State agency where the participant was certified.
	Local Agency ID. A unique number that permits linkage to the local agency where the participant was certified as eligible for WIC benefits.
	Service Site ID. A unique number that permits linkage to the service site where certified. Either local agency ID or service site ID may be reported according to the level the State Agency feels appropriate. At a minimum, State agencies must provide agency names and addresses for each ID provided on their files.
\boxtimes	Case ID. A unique record number for each participant which maintains individual privacy at the national level.
	General Instructions: Participant or Case Ids for each participant should continue to maintain individual privacy at the national level. States are requested to generate these Ids in the same manner that was applied for PC92 to allow longitudinal tracking of participant characteristics. This task can be accomplished by applying the PC92 algorithm to construction of PC2000 participant IDs.
	Client Date of Birth: Month, day and year of participant's birth reported in MMDDYYYYformat.
\boxtimes	Client Race/Ethnicity. The classification of the participant into one of the five (5) racial/ethnic categories: white; black; Hispanic; American Indian or Alaskan Native; or Asian or Pacific

Islander. The ethnic categories, white and black, include only those persons who are not of Hispanic origin.

State Agency MIS: Collects



- Expected Date of Delivery or Weeks Gestation. For pregnant women, the projected date of delivery (MMDDYYYY format) or the number of weeks since the last menstrual period as determined at WIC Program certification.
- Date of Certification. The date the person was declared eligible for the most current WIC Program certification as of April 1999. Month, day, and year should be reported in MMDDYYYY format.
- Sex. For infants and children, male or female.
- Priority Level. Participant priority level for WIC Program certification at the time of the most recent WIC Program certification as of April 1999.
- Participation in TANF/AFDC, Food Stamps, Medicaid. The participant's reported participation in each of these programs at the time of the most recent WIC Program certification as of April 1999.
- Migrant Status. Participant migrant status according to the federal WIC Program definition of a migrant farm worker (currently counted in the FNS 498 report).
- Number in Family or Economic Unit. The number of persons in the family or economic unit upon which WIC income eligibility was based.

A self-declared number in the family or economic unit may be reported for participants whose income was not required to be determined as part of the WIC certification process. These participants include adjunctively income-eligible participants (due to TANF/AFDC, Food Stamp Program, or Medicaid participation) and those participants deemed income eligible under optional procedures available to the State Agency in Federal WIC Regulations, Section 246.7(d)(2)(vi-viii) (means tested programs identified by the State for automatic WIC Program income eligibility, income eligibility of Indian and instream migrant farmworker applicants).

MMDDYYYY format.

 \times

 \times

State Agency MIS: Collects \times Family or Economic Unit Income For persons for whom income is determined during the certification process, the income amount that was determined to qualify them for the WIC Program during the most recent certification as of April 1999. FNS will convert income expressed in different measures (weekly, monthly, yearly, etc.) to annual amounts. For descriptive purposes only, for participants whose income was not required to be determined as part of the WIC Program certification process, the self-reported income at the time of certification. These participants include adjunctively income-eligible participants and those persons deemed eligible under optional procedures available to the State Agency in Federal WIC Regulations, Section 246.7(d)(2)(vi-viii). Zero should not be used to indicate income values that are missing or not available. Zero should indicate only an actual value of zero. \boxtimes Nutritional Risks Present at Certification. The three highest priority nutritional risks present at the WIC Program certification current in April 1999. \times Hemoglobin or Hematocrit. That value for the measure of iron status that applies to the WIC Program certification current in April 1999. It is assumed that the measure was collected within sixty (60) days of the certification date. \times Weight. The participant's weight measured according to the CDC nutrition surveillance program standards [nearest one-quarter (1/4) pound]. If weight is not collected in pounds and quarter pounds, weight may be reported in grams. \times Height. The participant's height (or length) measured according to the CDC nutrition surveillance program standards [nearest one-eighth (1/8) inch]. If height is not collected in inches and eighth inches, height may be reported in centimeters.

whether or not the participant is currently receiving breastmilk.

Date of Height and Weight Measure. The date of the height and weight measures that were used during the most recent WIC Program certification period as of April 1999 in

Currently Breastfed. For infant participants between the ages of seven and eleven months,

Ever Breastfed. For infants between the ages of seven and eleven months, whether or not the infant was ever breastfed.

State Agency Collects	MIS:
\boxtimes	Length of Time Breastfed. For infants between the ages of seven and eleven months, the number of weeks the infant received breastmilk.
	Date Breastfeeding Data Collected. For infants between the ages of seven and eleven months, the date on which breastfeeding status was reported in MMDDYYYY format.
	Food Packages. The food package code(s) for the WIC food package or for all food instruments prescribed for the participant during the month.

Supplemental Data Set (OPTIONAL)

State Agency Collects	MIS: Plans t Collect	
		Date of First WIC Certification: Date the participant was first certified for the WIC Program in MMDDYYYY format. For pregnant, breastfeeding and postpartum women this applies to the current/most recent pregnancy and not to prior pregnancies.
		Educational Level: For pregnant, breastfeeding and postpartum women, the highest grade or year of school completed. For infants and children, the highest grade or year of school completed by mother or primary caretaker.
\boxtimes		Number in Household on WIC: The number of people in the participant's household receiving WIC benefits.
		Source of Prenatal Care: For pregnant, breastfeeding and postpartum women, source of care for current/most recent pregnancy.
		Date When Prenatal Care Began: For pregnant, breastfeeding and postpartum women, the date when prenatal care began for the most recent pregnancy in MMDDYYYY format.
\boxtimes		Date Previous Pregnancy Ended: For pregnant women, the date previous pregnancy ended in MMDDYYYY format.
		Total Number of Pregnancies: For pregnant women, the total number of times the woman has been pregnant, including this pregnancy, all live births and any pregnancies resulting in miscarriage, abortion or stillbirth.
		Total Number of Live Births: For pregnant women, the total number of babies born alive to this woman, including those who may have died shortly after birth.
		Prepregnancy Weight: For pregnant women only, the participant's weight immediately prior to pregnancy. Prepregnancy weight may be reported either in pounds and ounces or in grams.

State Agency Collects	MIS: Plans t Collect	
		Weight Gain During Pregnancy: For breastfeeding and postpartum women, the participants weight gain during pregnancy as taken immediately at or prior to delivery. Weight gain during pregnancy may be reported in either pounds and ounces or in grams.
		Birth Weight: For infants and children, the participant's weight at birth measured according to the CDC nutrition surveillance program standards (lbs/ounces). Birth weight may be reported in either pounds or ounces, or in grams.
		Birth Length: For infants and children, the participant's length measured according to the CDC nutrition surveillance program standards (1/8 inches). Birth length may be reported in either inches and eighth inches or in centimeters.
		Date of Last Routine Check-up or Immunization: Month, day, and year of the last routine check-up or immunization for infants and children reported in MMDDYYYY format.
\boxtimes		Length of Time Mother on WIC During Pregnancy: For infant participants, the length of time mother was on WIC during this infant's prenatal period.
The following	items n	nay be reported at the discretion of individual States.
		Erythrocyte Protoporphyrin. That value for the measure of iron status that applies to the WIC Program certification current in April 1999.
		Participation in the Food Distribution on Indian Reservations program. The participant's reported participation in this program at the time of the most recent WIC Program certification as of April 1999.

C. WIC SYSTEMS FUNCTIONAL REQUIREMENTS CHECKLIST

The following checklists were taken from the WIC Functional Requirements Document (FRD) which was provided as guidance to State agencies on functions they should consider incorporating in their Management Information Systems. Please check those functions/capabilities which the State agency system currently performs or plans to perform within the next two years.

WIC FUNCTIONAL CHECKLIST

State Agency Performs	State Agency <u>Planned</u>	Function/Capabilities
CERTIFICA	TION	
\bowtie		Determine Basic Eligibility of Applicant
		Capture Basic Eligibility Characteristics on Persons Applying for WIC
\boxtimes		Maintain Appointment Schedule Availability
		and Produce Daily Appointment Schedules
\boxtimes		Provide Appointment Notice to Applicant
		Determine Nutritional Risk of Client
\boxtimes		Capture Required Client Nutrition and Health
	_	Characteristics Needed for Certification
\boxtimes		Capture Additional Client Nutrition and Health Characteristics
\boxtimes		Assign the Nutritional Risk of the Client
		Certify Eligible Applicants
\boxtimes		Capture and Maintain Enrollee Data on
<u> </u>		Certified Clients
\boxtimes		Issue Identification Card to Client
\boxtimes		Provide Notification of the Next
\bowtie		Certification Date to Client
		Issue Notification of Certification
		or Termination to Client
∇		Food Package Issuance/Data
	\vdash	Prescribe Enrollee Food Package
$oldsymbol{\triangle}$		Maintain Appointment Schedule

			for Enrollee Food Instrument Pick-up Select and Record Enrollee Vendor Selection
			Check for Dual Participation/Process Transfers List Dual Enrollees List Dual Participants Process Transfer of Enrollees
\boxtimes			Capture Investigator Data Capture Enrollee Record for Compliance Investigators
State Agen Perfo	ncy	State Agency <u>Planned</u>	Function/Capabilities
NUT	RITIO	N EDUCATION	N AND HEALTH SURVEILLANCE
\boxtimes		Maintain Appo	brition Education Data continuent Schedules for Enrollees That Are to
\boxtimes		Receive Nutrition Education Maintain Appointment Schedule of Available Nutrition Education Sessions	
\boxtimes		Provide Appoi	intment Notice to Enrollee ation in Education
\boxtimes		-	f Nutrition Education Provided
		Capture and M Health	vidual Client Health Monitoring Ionitor Changes in Individual Client Status dual Client Data to Other Health ies
			vidual Client Nutrition Education and Diet Monitoring Ionitor Changes in Individual Client Dietary ior
		Surveillance Monitor Chang	lysis of WIC Population Nutrition Education and Health ges in WIC Participant Population Status

		ENT INFORMATION SYSTEM (MIS) ΓΙΟΝ CHARACTERISTICS
		Monitor Clients' Views of WIC Program Services Monitor Changes in WIC Participant Population Dietary Behavior
		Provide WIC Health Statistics to Other Health Agencies Provide WIC Participant Population Data to Other State Health Agencies Provide WIC Participant Population Data to Center for Disease Control
FOO	D INST	RUMENT PRODUCTION
		Maintain Food Package Database Record List of Approved Foods and Food Package Data Record Food Package Variations and Food Instrument Types Proration of Food Quantities for Clients With Late Pick-up
		Print Food Instruments on Demand Print Regular Food Instruments for Participants on Demand Print Food Instruments for Multiple Months Print Vendor-Specific Food Instruments Print Prorated Food Instruments Print Custom-Tailored Food Instruments
\boxtimes		Print and Distribute Food Instruments in Advance of Pick-up Print Food Instruments in Advance of Participant Pick-up Print Food Instruments for Multiple Months Print Vendor-Specific Food Instrument
\boxtimes		Monitor Food Instrument Stock Record Stock Receipt, Shipment, and Usage of Food Instruments
FOO	D INST	RUMENT PAYMENT AND RECONCILIATION
\boxtimes		Void Unissued and Unredeemed Food Instruments Void Unissued and Unredeemed Food Instruments Produced on Demand

PARTICIPATION CHARACTERISTICS \boxtimes Void Unissued and Unredeemed Food Instruments Printed in Advance **Reconcile Redeemed Food Instruments** Process Food Instruments Redeemed by Vendors Produce Rejection Reports for Food Instruments Not Paid to Vendors \boxtimes Check for Valid Vendor on Redeemed Food Instruments \boxtimes Check for Redeemed but Unissued Food Instruments **Produce Vendor Payment Detail** Produce Payment Detail for Checks (Where Applicable) Produce Payment Detail for Vouchers (Where Applicable) CASELOAD MANAGEMENT **Allocate Caseload** \boxtimes Determine Maximum State Caseload Which Could be Served With Available Funds Prepare Local Agency Caseload Allocation Estimates Record Caseload Allocations Assigned to Local Agencies **Monitor Caseload** Track Actual Participation Against Caseload Levels Produce FNS Reports on Participation VENDOR MANAGEMENT **Support Vendor Authorizations** Capture and Maintain Data on Authorized Vendors $\overline{\boxtimes}$ Produce Vendor History Information on Individual Vendors \boxtimes Track Vendor Authorization Process **Determine High Risk Vendors** \boxtimes Determine High Risk Vendors Using Basic Statistical Analysis (e.g., Low Variance, High Mean) \boxtimes \times Determine High Risk Vendors Using Additional Analytic Tools

MANAGEMENT INFORMATION SYSTEM (MIS)

Monitor Vendor Education

PARTICIPATION CHARACTERISTICS Record Vendor Education Sessions Scheduled for Each Vendor \boxtimes Record Attendance at Vendor Education Sessions by Vendor **Track Investigations and Routine Monitoring** \boxtimes Capture Compliance Buys and Routine Monitoring Data Performed on Vendors \boxtimes Support Constructing a Sampling of Vendors for Investigation \boxtimes Support Record Audits With Data Needed to Evaluate Vendor Inventory of WIC Foods **Monitor Compliance Cases and Sanctions** \boxtimes Maintain Data for In-State Vendor Investigation Cases and Sanctions Applied Maintain Compliance Data for Abusive Out-of-State Vendors Accumulate Sanction Points for Vendor Abuse **Coordinate with Food Stamps Program** Maintain FSP Violation Data on WIC Vendors Report WIC Sanctions to Food Stamp Program **Support Vendor Communications** Produce Vendor Lists and Labels Produce Vendor Correspondence **OPERATIONS MANAGEMENT Monitor Administrative Operations** \boxtimes Maintain Staffing, Client Load and Operational Characteristics on Local Agencies and Clinics \boxtimes Produce client and Food Instrument Activity Reports on Local Agencies and Clinics **Maintain Client Outreach** X Maintain Client Lists for Local Agencies to Use for Outreach \boxtimes Track Referrals of WIC Participants to Other Health and Social Services

MANAGEMENT INFORMATION SYSTEM (MIS)

FINANCIAL MANAGEMENT

		Record Grants and Budgets
	\boxtimes	Record Nutrition Services, Administration and Food Grant
	<u> </u>	for State Agency
Щ	\boxtimes	Maintain Local Agency Budget Information
	\boxtimes	Maintain State Agency Budget Information
		Monitor Expenditure
\boxtimes		Monitor Nutrition Services, Administration and Food
		Obligations & Expenditures
\boxtimes		Monitor Cash Flow
\boxtimes		Produce FNS 498 Report
		Process Manufacturer Rebates
	\boxtimes	Estimate Total Annual Rebates
\boxtimes		Bill Manufacturer(s) for Rebate
		Monitor Rebate Collections from Manufacturer(s)
SYS	ΓEM Al	DMINISTRATION
		Maintain System Date Tables
\boxtimes		Maintain System Data Tables
		Administer System Security
\boxtimes		Maintain User Identification
\boxtimes		Maintain User Capabilities
\boxtimes		Monitor Unauthorized Access
		Archive System Data
\boxtimes		Archive and Restore Historical Data
\boxtimes		Purge Unnecessary Data